

AKASH DHARWADKAR

Graduate Apprentice Trainee

Passionate Mechanical Engineer with two years of experience seeking to learn new technologies and challenges of the organisation and contribute my Knowledge and skills efficiently for the growth of organisation

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WORK EXPERIENCE

IFB Industries Ltd. Verna-Goa
(Manufacturers of FL & TL Washing Machines)
Apprentice - Production Engineering and Development



Projects

- **Camera-Based Vision System** for Product label, Facia and BEE Label mismatch detection using UR COBOT
- Design of (SPM) **Automatic Pressure sensor testing machine** in SOLIDWORKS 2018 with production drawings
- **Drum Height & Runout Machine** for checking drum height and Facial and Radial runout
- Data gathering and Visualisation in **Vibration Test Analysis of washing machine with Ballast weight, without Ballast weight and Plastic Ballast**
- Design of 3D model and successful installation of **Counter PCB** with digital screen cover for IOT Team using SOLIDWORKS
- Design improvement of 3D model and 2D drawing of **Curling roller** in Drum line using SOLIDWORKS(conceptual stage)
- **Rear Cover** Annual Cost improvement~13Lakhs (conceptual stage)

Techno Commercial Activities

- Procurement of Maintenance Material for smooth Running of Plant
- Quotation arrangement from vendor and negotiation from lowest Price
- Purchase of Asset Items for Company
- Bill Processing-Approval

Other Activities

- Worked with Incoming Quality and Supplier Quality team to reduce defects in Drum Bracket through data analysis
- Delivery of Standardized Consumable report for management review to make decisions on cost reduction, Quality and other KPIs
- Suggested Green Supply Chain for eliminating Plastic and Corrugated Boxes on shop floor
- Identified Bottlenecks on washer dryer assembly line and suggested improvements for supplier
- Built and maintained daily report of machines and reporting mechanism for continuous improvement
- IFB vs Samsung Drum Assembly Benchmarking
- Successfully worked towards setup of new manufacturing dryer-condenser assembly line
- Tub Front-Rear Automation RFQ
- Updating existing/new FL and TL models in PMS software
- Updating/completing Manufacturing documents such as PFD, SOP and PPAP
- Carryout machine trials to assess the machine performance and for subsequent stacking in Warehouse and drop test
- Learnt about SOLIDWORKS, Andon system, Kaizen, 5S, Poka-yoke, vision system, Karakuri system
- Material handling improvements on shop floor

BUOYANCY CONSULTANTS & ENGINEERING
Worked as Jr. Design Engineer on BWTS
Retrofit projects in ships.

- Can read and understand P&ID, piping isometric and piping layout
- Knowledge about piping standard(JIS, DIN)
- Ship terminology and types



INTERNSHIP

- **CHURI ELECTROMECH** : 06/2017 - 07/2017
Exposure to sheet metal cutting operations.
- **ZUARI AGRO CHEMICALS LIMITED**: 01/2018 - 01/2018
Learnt about turbo machines and exposure to steam power plant

SOFTWARE PROFICIENCY

- SOLIDWORKS 2018
- AutoCAD
- PMS
- SAP
- MS Office
- Cadmatic Plant Modeller
- E-Browser

INTERESTS

- Mechanical Design in SOLIDWORKS

EDUCATION

- **GOA COLLEGE OF ENGINEERING** -
B.E in Mechanical Engineering: 69.4%

Project

- Remotely Controlled Automatic Seed Sowing Machine



2015 - 2019

- **Fr. AGNEL MULTIPURPOSE HIGHER SECONDARY SCHOOL**(2013-2015): 79.3%
- **St. ANTHONY'S HIGH SCHOOL MAJORDA**: 83%

ACHIVEMENTS

- Winners of Technical Event (Robo Soccer) in various Engineering colleges of Goa

HOBBIES

- Playing Football
- Bike Riding
- Visiting New Places

LANGUAGES

English
Full Professional Proficiency

Hindi
Professional Proficiency

Konkani
Limited working proficiency

Marathi
Native Proficiency